

ABSTRACT

An emission site for a large area passive matrix cold cathode field emission display having an emission tip with a sharp profile is disclosed. A metallic film formed of
5 iridium silicide (IrSi) is used to coat the tip. By using IrSi the tips of the emission sites can be formed at low temperatures. In addition, IrSi is a fine grain material that maintains a sharp profile and can be formed in a layer as thin as 100 Å.